

What is claimed is:

1. A portable telephone apparatus, comprising:
a body; and
an antenna section, and
wherein said antenna section includes an
5 antenna element, and a plurality of reflectors
provided near said antenna element, and
wherein said antenna section is provided at a
end side where a microphone is provided of said body.
2. The portable telephone apparatus according to
Claim 1, wherein said antenna section is provided in
said body.
3. The portable telephone apparatus according to
Claim 1, wherein the number of said plurality of
reflectors is two.
4. The portable telephone apparatus according to
Claim 1, wherein each of said plurality of reflectors
is a conductive plate.
5. The portable telephone apparatus according to
Claim 1, wherein an end portion of each of said
plurality of reflectors is in parallel with a
direction of a length of said antenna element.

FD-302 (Rev. 11-27-60)

6. The portable telephone apparatus according to Claim 1, wherein planes of said plurality of reflectors are oriented to directions different from each other.

7. The portable telephone apparatus according to Claim 1, wherein one of said plurality of reflectors is connected to a ground, selectively to change a directivity of said antenna element.

8. The portable telephone apparatus according to Claim 7, wherein said directivity of said antenna element is changed without using a mechanic structure to reflect radio waves emitted from said antenna
5 element of said plurality of reflectors.

9. The portable telephone apparatus according to Claim 1, further comprising:

a judging unit judging a state of a signal received at said antenna section to produce a control
5 signal, and

wherein one of said plurality of reflectors is connected to a ground, selectively to change a directivity of said antenna element, based on said control signal.

10. The portable telephone apparatus according to

FIG. 10: THE

Claim 9, wherein after said one of said plurality of reflectors is connected to said ground, selectively to change said directivity of said antenna element, based on said control signal, said another of said plurality of reflectors is connected to said ground, selectively to change said directivity of said antenna element, based on said control signal.

11. The portable telephone apparatus according to Claim 9, wherein said judging unit detects an RSSI, an Eb/Io, and a BER of said received signal to produce said control signal.

12. The portable telephone apparatus according to Claim 1, wherein said antenna section is covered by a mold not to be viewed.

13. The portable telephone apparatus according to Claim 7, further comprising:

a switching unit to switch between one and another of said plurality of reflectors, and

wherein each of said plurality of reflectors is connected to said ground through a capacitor.

14. The portable telephone apparatus according to Claim 13, wherein a coil is provided between said each reflector and said capacitor to be connected with said

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ground.

15. The portable telephone apparatus according to Claim 1, wherein said portable telephone apparatus is a type of W-CDMA system.

16. The portable telephone apparatus according to Claim 15, wherein said portable telephone apparatus performs a continuous transmission and a continuous reception.

17. The portable telephone apparatus according to Claim 1, wherein said plurality of reflectors is provided under a board on which a radio unit is mounted.

18. The portable telephone apparatus according to Claim 1, wherein each of said plurality of reflectors has a triangular shape.

19. The portable telephone apparatus according to Claim 1, wherein each of said plurality of reflectors has a curved surface corresponding to a curved surface of an end portion of said body.

20. The portable telephone apparatus according to Claim 7, wherein one of said plurality of reflectors

is connected to said ground, selectively to change
said directivity of said antenna element at
5 established periods.

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